

09/490,884

**IN THE CLAIMS**

Please cancel claims 44, 45, 46, 50, and 51.

Please amend claims 3, 4, 11, 12, 13, 14, 17, 18, 19, 20, 22, 23, 30, 31, 32, 33, 36, 40, 41, 42, 43, 47, 48, and 49 as follows.

3. (Twice Amended) The maize plant of claim 2, wherein said plant has been detasseled.

4. (Amended) A tissue culture of regenerable cells or protoplasts from the plant of claim 2.

11. (Amended) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof have been transformed so that its genetic material contains one or more transgenes that confer a qualitative trait.

12. (Amended) A method for producing a first generation (F1) hybrid maize plant that contains in its genetic material one or more transgenes, comprising crossing the maize plant of claim 11 with a second plant.

13. (Amended) The first generation (F1) hybrid, or parts thereof, produced by the method of claim 12.

14. (Twice Amended) A maize plant, or parts thereof, wherein at least one ancestor of said maize plant is the maize plant of claim 2, said maize plant expressing a combination of at least two traits which are not significantly different from PH51H when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a maturity of 94-100 based on the Comparative Relative Maturity Rating System

09/490,884

for harvest moisture of grain, female yield, scatter grain resistance, tassel size, pollen shed, hybrid yield, stalk lodging resistance, test weight, plant height, and ear height.

17. (Amended) The PH51H-progeny maize plant, or parts thereof, produced by the method of claim 15, wherein the method comprises 2 or less crosses to a plant other than PH51H or a plant that has PH51H as a parent.

18. (Amended) The maize plant, or parts thereof, of claim 2, further comprising one or more genes that confer a qualitative trait and have been transferred into said maize plant through breeding methods that utilize PH51H as a recurrent parent.

19. (Amended) The maize plant of claim 18, wherein at least one of the genes is a dominant allele.

20. (Amended) The maize plant of claim 18, wherein at least one of the genes is a recessive allele.

22. (Twice Amended) The maize plant of claim 2, wherein genes controlling male sterility have been transferred into said maize plant through crossing, that utilizes PH51H as a recurrent parent, and wherein said plant has essentially the same morphology and physiology of inbred line PH51H other than the trait of male sterility.

23. (Amended) A tissue culture of regenerable cells or protoplasts from the plant of claim 21.

30. (Amended) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof further comprise one or more transgenes, and wherein the

09/490,884

morphology and physiology of the maize plant comprising the transgene is substantially the same as inbred maize line PH51H.

31. (Amended) A method for producing a first generation (F1) maize plant comprising crossing the maize plant of claim 30 with a second plant.

32. (Amended) The first generation (F1) maize plant, or parts thereof, produced by the method of claim 31.

33. (Twice Amended) A maize plant, or parts thereof, wherein at least one ancestor of said maize plant is the maize plant of claim 2, and wherein the pedigree of said PH51H-progeny maize plant is within 2 or less crosses to a plant other than PH51H or a plant that has PH51H as a parent.

36. (Amended) The maize plant, or parts thereof, produced by the method of claim 34 wherein the method comprises no more than one cross to a plant other than PH51H or a plant that has PH51H as a parent.

40. (Twice Amended) A method for producing a first generation (F1) PH51H-progeny maize plant, comprising:

- (a) crossing inbred maize line PH51H, representative seed of said line having been deposited under ATCC Accession No. PTA-4261, with a second maize plant to yield progeny maize seed;
- (b) growing said progeny maize seed, under plant growth conditions, to yield said first generation (F1) PH51H-progeny maize plant.

41. (Thrice Amended) A first generation (F1) PH51H-progeny maize plant, or parts thereof, produced by the method of claim 40.

09/490,884

42. (Twice Amended) The method of claim 40, further comprising: selfing said first generation (F1) PH51H-progeny maize plant for successive filial generations to generate a PH51H inbred progeny maize plant.

43. (Twice Amended) The PH51H inbred progeny maize plant, or parts thereof, produced by the method of claim 42.

47. (Amended) The maize plant, or parts thereof, of claim 2, further comprising one or more genes that have been transferred into said maize plant by utilizing PH51H as a recurrent parent and wherein the maize plant, or parts thereof, are essentially unchanged from inbred maize line PH51H.

48. (Amended) The maize plant of claim 47, wherein at least one of the genes is a dominant allele.

49. (Amended) The maize plant of claim 47, wherein at least one of the genes is a recessive allele.